2009 International Mechanical Code (IMC)
City of Norman and State of Oklahoma-Uniform Building Code Amendments

** Note to users of this code: Please review the City of Norman (CoN) amendments and State of Oklahoma (OK) amendments listed below (3 pages total) before viewing the code and consider the amendments as they pertain to your area of interest. Feel free to contact a member of the City's Development Services Division if you have any questions about the code or any of the amendments.**

Sec. 5-207. Adoption of the 2009 International Mechanical Code as adopted by the Oklahoma Uniform Building Code Commission pursuant to 59 O.S. 1000.23.

(a) Adoption includes ONLY Appendix A regarding Combustion Air Openings and Chimney Connector Pass-Throughs;

(b) Amend, delete or substitute within the following sections as indicated:

(1) Delete the Preamble referenced in Title 748:20-13-6 from the International Mechanical Code as amended and adopted by the Oklahoma Uniform Building Code Commission pursuant to 59 O.S. 1000.23;

OK: 748:20-13-7 IMC 2009® Chapter 2 Definitions
Chapter 2 of the IMC® 2009 is adopted with the following changes: The definition of a Commercial Cooking Appliance has been modified to further define a commercial cooking appliance. The definition has been modified to read: Appliances used in a commercial food service establishment for heating or cooking food and which produce grease vapors, steam, fumes, smoke or odors that are required to be removed through a local ventilation system. Such appliances include deep fat fryers; upright broilers; griddles; broilers; steam-jacketed kettles; hot-top ranges; under-fired broilers (charbroilers); ovens; barbeques; rotisseries; and similar appliances. For the purpose of this definition, a food service establishment shall include any building or a portion thereof used for the preparation and serving of food that is not a kitchen in a single-family dwelling unit or apartment.

OK:748:20-13-8 IMC 2009® Chapter 3 General Regulations
Chapter 3 of the IMC® 2009 is adopted with the following modifications:
(1) Section 301.12 Wind resistance. This section has been modified to allow design and installation of equipment and appliances that are exposed to wind to be built in accordance with SMACNA HVAC Duct Construction Standards – Metal or Flexible or other approved methods. This section has been modified to read: Mechanical equipment, appliances and supports that are exposed to wind shall be designed and installed to resist the wind pressures determined in accordance with the International Building Code, SMACNA HVAC Duct Construction Standards - Metal and Flexible, or other approved methods.
(2) Section 304.11 Guards. This section has been modified to require guards around components requiring routine service and unprotected skylight openings. This section has been modified to read: Guards or parapet walls shall be provided where appliances, equipment, fans (or other components that require routine service) or roof hatches are located within 10 feet (3048 mm) of a roof edge or open side of a walking surface and such edge or open side is located more than 30 inches (762 mm) above the adjacent surface or grade below. The guards or parapet walls shall extend not less than 30 inches (762 mm) beyond each end of such appliances, equipment, fans, components, and roof hatch

openings; and the top of the guard or parapet wall shall be located not less than 42 inches (1067 mm) above the adjacent surface. Guards shall be constructed to prevent the passage of a 21-inch diameter (533 mm) sphere and shall comply with the loading requirements for guards as specified in the International Building Code®. Guards shall also be provided where appliances, equipment, fans (or other components that require routine service) are located within 10 feet (3048 mm) of a roof hatch or unprotected skylight. Skylights shall be considered protected if the level of the lowest edge of the skylight is on a raised curb 42 inches (1067 mm) above the roof level, or if the skylight is protected by some other approved means to prevent personnel from falling through the opening.

(2) Chapter 3, Section 306.3 Appliances in attics. Exception 2 Delete "the passageway shall be not greater than 50 feet (1520 mm) in length." and replace with "or where not more than 20 feet length of the passageway is a minimum 30 inches high and 22 inches wide, the entire passageway shall be not greater than 50 feet in length.";

(3) Chapter 5, Section 504.6.1 Domestic clothes dryer ducts – After 504.6.1 insert "Exception: Schedule 40 PVC pipe may be used if the installation complies with all of the following:

(a) The duct shall be installed under a concrete slab poured on grade;

(b) The under-floor trench in which the duct is installed shall be completely backfilled with sand or gravel;

(c) The PVC duct shall extend not greater than 1 inch above the indoor concrete floor surface;

(d) The PVC duct shall extend not greater than 1 inch above grade outside of the building; or

(e) The PVC ducts shall be solvent cemented".

OK:748:20-13-9 IMC 2009® Chapter 5 Exhaust Systems

Chapter 5 of the IMC® 2009 has been adopted with the following modifications:

(1) Section 507.1 General. This section has been modified to add Section 507.9 to exception number one. This section shall now read: Commercial kitchen exhaust hoods shall comply with the requirements of this section. Hoods shall be Type I or II and shall be designed to capture and confine cooking vapors and residues. Commercial kitchen exhaust hood systems shall operate during the cooking operation. Exceptions:

(A) Factory-built commercial exhaust hoods which are tested in accordance with UL 710 listed, labeled and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.7, 507.9, 507.11, 507.12, 507.13, 507.14 and 507.15.

(B) Factory-built commercial cooking recirculating systems which are tested in accordance with UL 710B, listed, labeled, and installed in accordance with Section 304.1 shall not be required to comply with Sections 507.4, 507.5, 507.7, 507.12, 507.13, 507.14, and 507.15. Spaces in which such systems are located shall be considered to be kitchens and shall be ventilated in accordance with Table 403.3. For the purpose of determining the floor area required to be ventilated, each individual appliance shall be considered as occupying not less than 100 square feet (9.3 meters squared).

(C) Net exhaust volumes for hoods shall be permitted to be reduced during part-load cooking conditions, where engineered or listed multispeed or variable-speed controls automatically operate the exhaust system to maintain capture and removal of cooking effluents as required by this section. Reduced volumes shall not be below that required to maintain capture and removal of effluents from the idle cooking appliances that are operating in standby mode.

(2) Section 507.2.1 Type I hoods. This section has been modified to add an exception for installation of Type II hoods when specific conditions are met. This section has been modified to read: Type I hoods shall be installed where cooking appliances produce grease or smoke. Type I hoods shall be installed over medium-duty, heavy-duty, and extra-heavy-duty cooking appliances. Type I hoods shall be installed over light-duty cooking appliances that produce grease or smoke. Exception: Type II hoods shall be permitted to be installed over medium-duty cooking appliances, ranges and ovens that the code official has determined will not produce appreciable amounts of grease and/or smoke. Where cooking appliances, ranges and/or ovens have been approved by the code official for installation under a Type II hood, a sign shall be placed on the wall in close proximity to the hood that reads, "Absolutely No Frying or Grease-Type Cooking Permitted."

OK:748:20-13-10 IMC® 2009 Chapter 6 Duct Systems

Chapter 6 of the IMC® 2009 has been adopted with the following modifications:

(1) Section 603.4 Metallic ducts. The exception to this section has been stricken.

(2) Section 604.1 General. This section was modified to add a requirement to duct insulation to conform to SMACNA HVAC Duct Construction Standards – Metal and Flexible. This section has been modified to read: Duct insulation shall conform to the requirements of Sections 604.2 through 604.13, the International Energy Conservation Code and SMACNA HVAC Duct Construction Standards – Metal and Flexible.